

ABSTRACT OF THE DISCLOSURE

An optical storage medium includes a plurality of tracks and a plurality of information pits arranged in the tracks. The information pits are designed to produce reflection light upon irradiation of light. The information pits are disposed in a matrix layout so that the reflection light includes at least four diffracted rays. An information pit is offset from the predetermined reference point in the track direction and the tracking direction. Thus, the particular information pit carries information indicated by the offset position relative to the reference point.